MATHEMATICS EDUCATION 6-12 (B.ED.) - RESIDENT

Important: This degree plan is effective for those starting this degree program in fall 2023 through summer 2024. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations, or cognates.

After completion of the required program coursework (including student teaching) and the passing of licensure tests, the graduate of this program would be eligible for a VA state teaching license.

General Education/Foundational Skills Requirements

Code	Title	Hours
Communication & Information Literacy [1]		
COMS 101	Speech Communication	3
ENGL 101	Composition and Rhetoric	3
HIUS 221	Survey of American History I	3
INQR 101	Inquiry	1
Information Literacy Elective		3
Technological Solutions & Quantitative Reasoning [1]		
UNIV 101	Foundational Skills	1
MATH Elective		3
Technology Competency [2]		0-3
Critical Thinking		
ENGL 201	American Literature I	3
RLGN 105	Introduction to Biblical Worldview [3]	2
RSCH 201	Research	3
Civic & Global Engagement		
CSTU 101	Western Culture	3
EVAN 101	Evangelism and the Christian Life [3]	2
Social & Scientific Inquiry [1]		
PSYC 210	Developmental Psychology	3
Natural Science Elective		3
Christianity & Contexts		
BIBL 105	Old Testament Survey	2
BIBL 110	New Testament Survey	2
THEO 201	Theology Survey I [3]	2
THEO 202	Theology Survey II [3]	2
Total Hours		**44-47**

1. Refer to the list of approved general education electives before enrolling in foundational skills requirements
2. All students must pass the Computer Assessment OR complete applicable INFT course refer to www.liberty.edu/computerassessment for more information
3. Students transferring in 45 or more UG credit hours will have the requirements of RLGN 105 and EVAN 101 waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 and THEO 202 waived

Major Requirements

Code	Title	Hours
Major Foundational Courses		
CSIS 110	Introduction to Computer Science [1]	3
MATH 128	Elementary Functions and Coordinate Geometry [1]	4
PHYS 231	University Physics I [1]	4
Total Hours		**11**

1. Course may fulfill select general education requirements

Code	Title	Hours
Major Core		
Education Courses		
EDUC 201	Introduction to Education and Classroom Technology	3
EDUC 221	Content Area Reading and Differentiated Teaching and Learning	3
EDUC 235	Content Instructional Design	3
EDUC 350	Behavior and Individual Differences	3
EDUC 360	Foundations of Education	3
EDUC 425	Content Measurement and Evaluation	3
EDUC 435	Content Curriculum Fundamentals	3
MATH 419	Teaching Mathematics in Secondary Schools	3
Practicum and Gate Courses		
EDGT 177	School of Education Gate 1 – UG Initial Licensure – Local	0
EDGT 277	School of Education Gate 2 – UG Initial Licensure – Local	0
EDGT 377	School of Education Gate 3 – UG Initial Licensure – Local	0
EDUC 189	Practicum in Education I: Local [1]	0
EDUC 289	Practicum in Education II: Local [1]	0
EDUC 389	Practicum in Education III: Local [1]	0
Secondary Courses		
CSIS 111	Introduction to Programming Using C++	3
MATH 131	Calculus and Analytic Geometry I	4
MATH 132	Calculus and Analytic Geometry II	4
MATH 200	Introduction to Mathematical Reasoning	3
or MATH 250	Introduction to Discrete Mathematics	
MATH 211	Introduction to Statistical Analysis	3
or MATH 311	Probability and Statistics I	
MATH 231	Calculus and Analytical Geometry III	4
or MATH 430	Multivariable Calculus	
MATH 305	Modern Geometry	3
or MATH 405	Fundamentals of Modern Geometry	
MATH 321	Linear Algebra	3
or MATH 410	Matrix and Linear Algebra	
MATH 345	Introduction to the History of Mathematics	3
or MATH 400	History of Mathematics	
MATH 350	Discrete Mathematics	3
MATH 421	Elementary Abstract Algebra I	3
or MATH 423	Abstract Algebraic Structures	
PHYS 231L	University Physics Lab I	0

Code	Title	Hours
Student Teaching		
EDST 475	The Reflective Educator: Resource Seminar	3
Choose one of the following: [1]		*9*
EDST 460	Student Teaching - One Placement – Distance	
EDST 461	Student Teaching - One Placement – Local	
EDST 464	Student Teaching - Own Classroom – Distance	
EDST 465	Student Teaching - Own Classroom – Local	
EDST 466	Student Teaching - Multiple Endorsement - One Placement – Distance	
EDST 467	Student Teaching - Multiple Endorsement - One Placement – Local	
Total Hours		**72**

[1] Liberty University School of Education Background check is required for all practicums and student teaching.

Code	Title	Hours
Free Electives		
Choose 1-4 credit hours of Free Electives		1-4
Total Hours		**1-4**

Note:

- *All practicum courses should be completed before student teaching, and candidate should not plan to take those courses in summer terms.*

All applicable prerequisites must be met

Graduation Requirements

- **120** total hours
- **3.0** Overall grade point average
- **30** Hours must be upper-level courses (300-400 level)
- **Grade of 'C'** Minimum required for all upper-level courses in the major
- **25%** Of major taken through Liberty University
- **30** Hours must be completed through Liberty University
- **Grad App** Submission of Degree Completion Application must be completed within the last semester of a student's anticipated graduation date
- **CSER** All requirements must be satisfied before a degree will be awarded

Course Sequence

Course	Title	Hours
First Year		
First Semester		
BIBL 105	Old Testament Survey	2
ENGL 101	Composition and Rhetoric	3
INQR 101	Inquiry	1
Math Elective (MATH 128)		3
Technology Competency [2]		0-3
UNIV 101	Foundational Skills	1
EDGT 177	School of Education Gate 1 – UG Initial Licensure – Local	0
EDUC 201	Introduction to Education and Classroom Technology	3
CSER		0
	Hours	**13-16**
Second Semester		
BIBL 110	New Testament Survey	2
COMS 101	Speech Communication	3
Information Literacy Elective (CSIS 110) [1]		3
RLGN 105	Introduction to Biblical Worldview	2
EDGT 277	School of Education Gate 2 – UG Initial Licensure – Local	0
EDUC 221	Content Area Reading and Differentiated Teaching and Learning	3
MATH 131	Calculus and Analytic Geometry I	4
CSER		0
	Hours	**17**
Second Year		
First Semester		
EVAN 101	Evangelism and the Christian Life	2
PSYC 210	Developmental Psychology	3
RSCH 201	Research	3
THEO 201	Theology Survey I	2
EDUC 189	Practicum in Education I: Local [3]	0
EDUC 235	Content Instructional Design	3
MATH 132	Calculus and Analytic Geometry II	4
CSER		0
	Hours	**17**
Second Semester		
ENGL 201	American Literature I	3
THEO 202	Theology Survey II	2
CSIS 111	Introduction to Programming Using C++	3
EDUC 350	Behavior and Individual Differences	3
MATH 200 or MATH 250	Introduction to Mathematical Reasoning or Introduction to Discrete Mathematics	3
MATH 231 or MATH 430	Calculus and Analytical Geometry III or Multivariable Calculus	4
CSER		0
	Hours	**18**
Third Year		
First Semester		
Natural Science Elective (PHYS 231) [1]		3
PHYS 231L	University Physics Lab I	0
EDUC 289	Practicum in Education II: Local [3]	0
EDUC 360	Foundations of Education	3
MATH 211 or MATH 311	Introduction to Statistical Analysis or Probability and Statistics I	3
MATH 321 or MATH 410	Linear Algebra or Matrix and Linear Algebra	3
MATH 419	Teaching Mathematics in Secondary Schools	3
CSER		0
	Hours	**15**
Second Semester		
CSTU 101	Western Culture	3

Course	Title	Hours
EDUC 425	Content Measurement and Evaluation	3
MATH 250	Introduction to Discrete Mathematics	3
MATH 305 or MATH 405	Modern Geometry or Fundamentals of Modern Geometry	3
MATH 421 or MATH 423	Elementary Abstract Algebra I or Abstract Algebraic Structures	3
CSER		0
	Hours	**15**
Fourth Year		
First Semester		
HIUS 221	Survey of American History I	3
EDGT 377	School of Education Gate 3 – UG Initial Licensure – Local	0
EDUC 389	Practicum in Education III: Local [3]	0
EDUC 435	Content Curriculum Fundamentals	3
MATH 350	Discrete Mathematics	3
MATH 345 or MATH 400	Introduction to the History of Mathematics or History of Mathematics	3
Elective		1
CSER		0
	Hours	**13**
Second Semester		
EDST 475	The Reflective Educator: Resource Seminar	3
Student Teaching Option [3,4]		9
CSER		0
	Hours	**12**
	Total Hours	**120-123**

1 Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills requirements

2 All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment for more information

3 Liberty University School of Education Background check is required for all practicums and student teaching

4 Choose one of the following Student Teaching options: EDST 460, 461, 464, 465, 466, or 467